

PALM Intranet

Application  
Number

SEARCH

IDS Flag Clearance for Application 10522038

IDS  
Information

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	07-19-2005	15	<input checked="" type="checkbox"/>	11-15-2005 16:56:11 tbentley

UPDATE

## Refine Search

### Search Results -

Terms	Documents
L3 not L1	6

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L4  





### Search History

DATE: Monday, December 05, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L4</u>	L3 not l1	6	<u>L4</u>
<u>L3</u>	(steer\$ with angle\$ with deviation\$) and (velocity or speed) and vehicle and (driv\$ with maneuver\$)	10	<u>L3</u>
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L2</u>	(steer\$ with angle\$ with deviation\$) and (velocity or speed) and vehicle and (driv\$ with maneuver\$)	35	<u>L2</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L1</u>	(steer\$ with angle\$ with deviation\$) and (velocity or speed) and vehicle and (driv\$ near2 maneuver\$)	4	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

First Hit

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20020156581 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 6

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156581

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020156581 A1

TITLE: Vehicle controlling apparatus and method

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Matsuura, Munenori

Tokyo-To

JP

US-CL-CURRENT: 701/301; 340/436, 340/903

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 2. Document ID: US 6675096 B2

L4: Entry 2 of 6

File: USPT

Jan 6, 2004

US-PAT-NO: 6675096

DOCUMENT-IDENTIFIER: US 6675096 B2

TITLE: Vehicle controlling apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. De
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☐ 3. Document ID: US 6122584 A

L4: Entry 3 of 6

File: USPT

Sep 19, 2000

US-PAT-NO: 6122584

DOCUMENT-IDENTIFIER: US 6122584 A

TITLE: Brake system control

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 5850616 A

L4: Entry 4 of 6

File: USPT

Dec 15, 1998

US-PAT-NO: 5850616

DOCUMENT-IDENTIFIER: US 5850616 A

TITLE: Traction control system for four wheel drive vehicle and the method thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 5615117 A

L4: Entry 5 of 6

File: USPT

Mar 25, 1997

US-PAT-NO: 5615117

DOCUMENT-IDENTIFIER: US 5615117 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for controlling a front and rear wheel steering system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 5050086 A

L4: Entry 6 of 6

File: USPT

Sep 17, 1991

US-PAT-NO: 5050086

DOCUMENT-IDENTIFIER: US 5050086 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Aircraft lateral-directional control system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L3 not L1	6

Display Format:

JP  
JP

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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Oct 31, 2000

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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Mar 21, 1989

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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Generate OACS

Terms	Documents
(steer\$ with angle\$ with deviation\$) and (velocity or speed) and vehicle and (driv\$ near2 maneuver\$)	4

Go to Doc#

## Hit List

**First Hit**

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

**Search Results - Record(s) 1 through 4 of 4 returned.**

☐ 1. Document ID: US 20040158377 A1

**Using default format because multiple data bases are involved.**

L1: Entry 1 of 4

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040158377

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040158377 A1

TITLE: Vehicle dynamics control apparatus

PUBLICATION-DATE: August 12, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Matsumoto, Shinji	Kanagawa		JP
Naito, Genpei	Yokohama		JP
Tange, Satoshi	Kanagawa		JP

US-CL-CURRENT: 701/48; 701/70 ✓

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20040153228 A1

L1: Entry 2 of 4

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153228

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040153228 A1

TITLE: Vehicle dynamics control apparatus

PUBLICATION-DATE: August 5, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Matsumoto, Shinji	Kanagawa		JP

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Generate Collection

Print

L1: Entry 1 of 4

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040158377  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040158377 A1

TITLE: Vehicle dynamics control apparatus

PUBLICATION-DATE: August 12, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Matsumoto, Shinji	Kanagawa		JP
Naito, Genpei	Yokohama		JP
Tange, Satoshi	Kanagawa		JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
NISSAN MOTOR CO., LTD.				03

APPL-NO: 10/769069 [PALM]  
DATE FILED: February 2, 2004

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	2003-032459	2003JP-2003-032459	February 10, 2003

INT-CL: [07] G06 F 19/00

US-CL-PUBLISHED: 701/048; 701/070  
US-CL-CURRENT: 701/48; 701/70

REPRESENTATIVE-FIGURES: 1

## ABSTRACT:

In a vehicle dynamics control apparatus capable of balancing a vehicle dynamics stability control system and a lane deviation prevention control system, a cooperative control section is provided to make a cooperative control between lane deviation prevention control (LDP) and vehicle dynamics stability control (VDC). When a direction of yawing motion created by LDP control is opposite to a direction of yawing motion created by VDC control, the cooperative control section puts a higher priority on VDC control rather than LDP control. Conversely when the direction of yawing motion created by LDP control is identical to the direction of yawing motion created by VDC control, a higher one of the LDP desired yaw moment and the VDC desired yaw moment is selected as a final desired yaw moment, to prevent over-control, while keeping the effects obtained by both of VDC control and

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Generate Collection

Print

L1: Entry 2 of 4

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153228  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040153228 A1

TITLE: Vehicle dynamics control apparatus

PUBLICATION-DATE: August 5, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Matsumoto, Shinji	Kanagawa		JP
Naito, Genpei	Yokohama		JP
Tange, Satoshi	Kanagawa		JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
NISSAN MOTOR CO., LTD.				03

APPL-NO: 10/735778 [PALM]  
DATE FILED: December 16, 2003

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	2003-024912	2003JP-2003-024912	January 31, 2003

INT-CL: [07] G06 F 17/10

US-CL-PUBLISHED: 701/041; 701/300, 701/091  
US-CL-CURRENT: 701/41; 701/300, 701/91

REPRESENTATIVE-FIGURES: 2

## ABSTRACT:

In a vehicle dynamics control apparatus enabling vehicle dynamics control and lane deviation prevention control, a processor of a control unit is programmed for determining a driving stability including a vehicle driveability and a vehicle stability, based on at least a steer angle, and for executing the vehicle dynamics control by producing a yaw moment corresponding to a controlled variable of the vehicle dynamics control when the driving stability is deteriorated, and for executing the lane deviation prevention control by producing a yaw moment corresponding to a controlled variable of the lane deviation prevention control when there is a possibility of lane deviation. The processor is further programmed for softening a criterion, which is used to determine the driving stability, based on the controlled variable of the lane deviation prevention control, only when the



vehicle dynamics control is inoperative.

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